

224



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/981,189	10/16/2001	Shankar Narayan	60033-0011	5404
29989	7590	11/04/2004	EXAMINER	
HICKMAN PALERMO TRUONG & BECKER, LLP			OPIE, GEORGE L	
1600 WILLOW STREET			ART UNIT	
SAN JOSE, CA 95125			PAPER NUMBER	
			2126	
DATE MAILED: 11/04/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/981,189	Shankar Narayan	
	Examiner	Art Unit	
	George L. Opie	2151	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- 1) ___ Responsive to communication(s) filed on ____.
- 2a) ___ This action is **FINAL**. 2b) X This action is non-final.
- 3) ___ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) X Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) ___ is/are withdrawn from consideration.
- 5) ___ Claim(s) ___ is/are allowed.
- 6) X Claim(s) 1-4 is/are rejected.
- 7) ___ Claim(s) ___ is/are objected to.
- 8) ___ Claim(s) ___ are subject to restriction and/or election requirement.

Application Papers

- 9) ___ The specification is objected to by the Examiner.
- 10) ___ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ___ The proposed drawing correction filed on _____ is: a) ___ approved b) ___ disapproved.
- 12) ___ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ___ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ___ All b) ___ Some * c) ___ None of the CERTIFIED copies of the priority documents have been:
1. ___ received.
 2. ___ received in Application No. (Series Code / Serial Number) ____.
 3. ___ received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

- 14) ___ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

Attachment(s)

- 14) X Notice of References Cited (PTO-892) *
- 15) ___ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 16) X Information Disclosure Statement(s) (PTO-1449) filed 18 July 2002.
- 17) ___ Interview Summary (PTO-413) Paper No(s). ____.
- 18) ___ Notice of Informal Patent Application (PTO-152)
- 19) X Other: Text Docs for USP6,678,882 USP6,336,118

Art Unit: 2126

DETAILED ACTION**1. Request for copy of Applicant's response on floppy disk:**

Please help expedite the prosecution of this application by including, along with your amendment response in paper form, an electronic file copy in WordPerfect, Microsoft Word, or in ASCII text format on a 3½ inch IBM format floppy disk.

Please include all pending claims along with your responsive remarks. Only the paper copy will be entered -- your floppy disk file will be considered a duplicate copy. Signatures are not required on the disk copy. The floppy disk copy is not mandatory, however, it will help expedite the processing of your application. Your cooperation is appreciated.

2. The U.S. Patents used in the art rejections below have been provided as text documents which correspond to the U.S. Patents. The relevant portions of the text documents are cited according to page and line numbers in the art rejections below.

3. Claim Rejections - 35 U.S.C. § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-4 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Hammond (U.S. Patent 6,336,118) in view of Hurley et al. (U.S. Patent 6,678,882).

As to claim 1, Hammond teaches a method for managing communication between distributed objects (method for manipulating objects within a distributed object oriented environment, abstract) comprising the steps of: a client downloading an interface description that conforms to an interface description language (utilize the interface definitions to create the means by which the client can invoke a function, p4 17-38) wherein said interface description describes a first set of methods that may be invoked by a first object (client wishes to invoke an IDL-defined operation on an object, p8 44-52) to invoke a second set of methods of a second object (invoke operations on a

Art Unit: 2126

remote object, p3 47-53) wherein said second object may be accessed by said client through a network (object implementations ... across a network, p4 17-38) said client examining said interface description and access policy data to generate one or more executable proxy objects (IDL files when processed ... emit proxy objects, p8 44-52) that implement said first set of methods and that allow said client to call a particular method of said first set of methods in order to invoke a corresponding method of said second set of methods (local proxy objects that delegate invocations on their methods to the remote implementation object, Id.)
said client instantiating said first object on said client (instantiated as local proxy objects, Id.).
Hammond does not explicitly disclose the access policy data for governing client/object interaction.

Hurley (p26 10-14) teaches access policy data defines parameters that govern access (AspectedProxy interface type defines the protocol ... that controls access) between the client and other objects that may be accessed by the client over the network (checking access permissions for each request a client makes) one or more executable objects (protection proxy) governing access between the first object and the second object based on the access policy data (factors that determine access to shared objects and location transparency, p8 21-47).
It would have been obvious to combine Hurley's teachings with Hammond because the access policies implemented through the protection proxy interfaces "promote security", p11 23-34 over the shared objects in the distributed system.

As to claim 2, see the claim 1 discussion supra. The limitations in claims 2 are functionally equivalent to the claim 1 limitations but for the recitation of the client instantiating the second object on the first client, which would have been an obvious variation of the Hammond teachings referenced above.

As to claims 3-4, note the rejections of claims 1-2 above. Claims 3-4 are the same as claims 1-2, except claims 3-4 are computer program product claims and claims 1-2 are method claims.

5. The prior art of record and not relied upon is considered pertinent to the applicant's disclosure. Specifically, the below reference(s) will also have relevancy to one or more elements of the Applicant's claimed invention as follows:

U.S. Patent No. 6,807,181 to Weschler which teaches the authorizing object access through meta-data associated with a context (liaison) object;
U.S. Patent No. 6,606,711 to Andrews et al. which teaches the access stipulations in the proxies for controlling client/server operations;

Art Unit: 2126

U.S. Patent No. 6,594,671 to Aman et al. which teaches the object server implementing privilege policies for governing access;
U.S. Patent No. 6,567,818 to Frey et al. which teaches the policy information for managing object interactions in the distributed system; and,
U.S. Patent No. 5,642,511 to Chow et al. which teaches the proxy objects for invoking specified operations on target objects.

Contact Information:

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system.

Status information for published applications may be obtained from either Private-PAIR or Public-PAIR.

Status information for unpublished applications is available through Private-PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

All responses sent by U.S. Mail should be mailed to:

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to Crystal Park Two, 2021 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist). All hand-delivered responses will be handled and entered by the docketing personnel. Please do not hand deliver responses directly to the Examiner.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

All OFFICIAL faxes will be handled and entered by the docketing personnel. The date of entry will correspond to the actual FAX reception date unless that date is a Saturday, Sunday, or a

Art Unit: 2126

Federal Holiday within the District of Columbia, in which case the official date of receipt will be the next business day. The application file will be promptly forwarded to the Examiner unless the application file must be sent to another area of the Office, e.g., Finance Division for fee charging, etc.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist at **(703) 305-9600**.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Opie at (571) 272-3766 or via e-mail at *George.Opie@uspto.gov*. Internet e-mail should not be used where sensitive data will be exchanged or where there exists a possibility that sensitive data could be identified unless there is an express waiver of the confidentiality requirements under 35 U.S.C. 122 by the Applicant. Sensitive data includes confidential information related to patent applications.



MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100